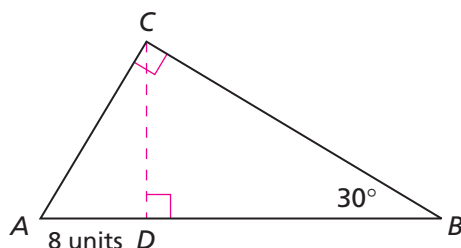


4.4 Finding the Perimeter

In this problem, you will apply many of the strategies you have developed in this unit, especially what you found in Problem 4.3.

Problem 4.4 Finding the Perimeter

Use the diagram for Questions A–C. Explain your work.



- A. Find the perimeter of triangle ABC .
- B. Find the area of triangle ABC .
- C. Find the areas of triangle ACD and triangle BCD .

ACE Homework starts on page 53.

Did You Know?

In the movie *The Wizard of Oz*, the scarecrow celebrates his new brain by reciting the following:

“The sum of the square roots of any two sides of an isosceles triangle is equal to the square root of the remaining side.”

Now you know what the scarecrow meant to say, even though his still imperfect brain got it wrong!

